

ABSTRACT

A radiographic camera has a housing, having first and second ends, that encloses a conduit having a radiographic source. The conduit is in communication with a lock assembly at the back end of the camera and to a connector assembly at the front end of the camera. The radiographic camera can be held within a jacket that has a handle with a reinforcement structure. The conduit is surrounded by a radiation shield that has a shield end attached to an endplate having a port outlet. The connector assembly features a front plate having a hole aligned with the port outlet on the endplate. The front plate features an internal surface to which a rotor is rotatably attached. The rotor provides a first rotor hole that is aligned with the port outlet and includes a port shield for blocking the first rotor hole, and a second rotor hole that is alignable with the port outlet. The rotor may be rotated so that either the first or second rotor hole is aligned with the port outlet to shield or expose the source.